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P.O. Box 1450  
Alexandria, VA 22313-1450**Attn:** Examiner  
**Art Unit:** Unknown  
**FAX:** (703) 872-9306**FROM:** Sheela Mohan-Peterson  
**DATE:** July 7, 2004**RE:** Docket No.: DX0935KC  
USSN: 10/777,789  
Filed: February 11, 2004  
Title: Mammalian Cytokines; Related Reagents and Methods**Any difficulty with this facsimile, please call: Melanie Lyons at (650) 496-1183****Documents attached:**

- Transmittal (1 page)
- IDS and Form PTO/SB/08 (5 pages)

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Melanie Lyons

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PTO/SB/21 (03-03)

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<b>TRANSMITTAL FORM</b> (to be used for all correspondence after initial filing)		Application Number	10/777,789
		Filing Date	02/11/2004
		First Named Inventor	Birgit OPPMANN
		Art Unit	Unknown
		Examiner Name	Unknown
Total Number of Pages in This Submission	7	Attorney Docket Number	DX0935KC

**ENCLOSURES (Check all that apply)**

<input type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached <input type="checkbox"/> Amendment/Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input checked="" type="checkbox"/> Information Disclosure Statement (2 pages) <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Response to Missing Parts/Incomplete Application <input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s) _____	<input type="checkbox"/> After Allowance Communication to Group <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below):
<b>Other Enclosures/Remarks:</b> <ul style="list-style-type: none"> <li>• Form PTO/SB/08 (3 pages)</li> <li>• Fax Transmittal Sheet (1 page)</li> </ul>		

**SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT**

Firm or Individual	Sheela Mohan-Peterson, Reg. No. 41,201 DNAX Research, Inc. 901 California Ave. Palo Alto, CA 94304-1104
Signature	<i>Sheela Mohan-Peterson</i>
Date	07-July-2004

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Typed or printed	MELANIE LYONS		
Signature	<i>Melanie Lyons</i>	Date	7-7-04

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Attorney Docket: DX0935KC

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In Re application of:

Birgit OPPMANN, et al.

Application No.: **10/777,789**

Filed: February 11, 2004

For: **MAMMALIAN CYTOKINES;  
RELATED REAGENTS AND  
METHODS**

Examiner: Unknown

Art Unit: Unknown

Conf. No.: Unknown

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P.O. Box 1450  
Alexandria, VA 22313-1450

by:

  
MELANIE LYONS**INFORMATION DISCLOSURE STATEMENT**

Sir:

The materials as listed in the attached form PTO/SB/08 are brought to the Examiner's attention pursuant to the duty of disclosure under 37 C.F.R. § 1.56, § 1.97, and § 1.98. Attached please find Form PTO/SB08 listing references AA-BH.

All references listed on the attached form PTO/SB/08 have been previously cited either by Applicants or the Examiner in the parent application, U.S. Patent Application No. 09/521,335, filing date March 9, 2000, and copies should be available there. As such, these references will not be provided absent a specific request.

Citation of these documents should not be construed as a representation that the documents are in fact material or are in fact prior art with respect to the instant invention. The Examiner should not make any inference relating to the relative pertinence of cited references based upon the order in which the art is presented. Citation of these documents should not be construed as a representation that a search has been made or that more pertinent art may not be in existence.

Applicants request that the Examiner fully consider the art cited in the attached PTO/SB/08 form. Applicants further request that the Patent and Trademark Office list all such art on the front of any patent issuing from this application.

Applicants believe no fee is required for filing this document; however, if such a fee is required the Commissioner is hereby authorized to charge DNAX Research Institute Deposit account no. 04-1239.

Respectfully submitted,

Date: \_\_\_\_\_

By: \_\_\_\_\_  
Sheela Mohan-Peterson, Reg. No.  
41,201  
Attorney for Applicants

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PTO/SB/08A (04-03)

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Substitute for form 1449/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  <i>(Use as many sheets as necessary)</i>			<b>Complete if Known</b>		
			Application Number	10/777,789	
			Filing Date	02/11/2004	
			First Named Inventor	Birgit OPPMANN	
			Art Unit	Unknown	
			Examiner Name	Unknown	
			Attorney Docket Number	DX0935KC	
Sheet	1	of	3		

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	DOCUMENT NUMBER	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant, Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			
	AA	5,457,038A	10-10-1995	TRINCHIERI, et al.	
	AB	5,741,772A	04-21-1998	CHANG	

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant, Passages or Relevant Figures Appear
		Country Code <sup>3</sup>	Number <sup>4</sup> Kind Code <sup>2</sup> (if known)			
	AC		WO 98/33922A1	08-06-1998	CHANG, et al.	
	AD		WO 99/00415A1	01-07-1999	SHI, et al.	
	AE		WO 98/11225A2	03-19-1998	HILTON, et al.	
	AF		WO 98/31811A1	07-23-1998	DONALDSON, et al.	
	AG		WO 98/49307A1	11-05-1998	LOK, et al.	
	AH		WO 95/11303A1	4-27-1995	STAHL, et al.	
	AI		WO 99/20755A2	4-29-1999	ELSON, et al.	
	AJ		WO 99/28462A2	6-10-1999	WOOD, et al.	
	AK		WO 99/35264A1	7-15-1999	COSMAN, et al.	
	AL		WO 99/40195A1	8-12-1999	MATTSON, et al.	
	AM		EP 0759466A2	02-26-1997	GUBLER, et al.	

Examiner Signature		Date Considered	
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.<sup>1</sup> Applicant's unique citation designation number (optional).<sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04.<sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3).<sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document.<sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible.<sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

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			Application Number	10/777,789	
			Filing Date	02/11/2004	
			First Named Inventor	Blrgit OPPMANN	
			Art Unit	Unknown	
			Examiner Name	Unknown	
Sheet	2	of	3	Attorney Docket Number	DX0935KC

NON PATENT LITERATURE DOCUMENTS				
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>6</sup>	
	AN	DECHIARA, et al., "Mice lacking the CNTF receptor, unlike mice lacking CNTF, exhibit profound motor neuron deficits at birth," <i>Cell</i> , 83(2):313-322 (October 20, 1995).		
	AO	ELSON, et al., "Homo sapiens cytokine-like factor-1 precursor (CLF-1) mRNA, complete cds," GenBank, Accession No. AF059293 (August 2, 1998).		
	AP	ELSON, et al., "Cytokine-Like factor-1, a novel soluble protein, shares homology with member of the cytokine type I receptor family," <i>J. Immunol.</i> 161(3):1371-1379 (August 1, 1998).		
	AQ	FISCHER, et al., "A bioactive designer cytokine for human hematopoietic progenitor cell expansion," <i>Nat. Biotechnol.</i> , 15(2):142-145 (February 1997).		
	AR	GATELY, et al., "The interleukin-12/interleukin-12-receptor system: role in normal and pathologic immune responses" <i>Annu. Rev. Immunol.</i> , 16:495-521 (1998).		
	AS	GOUGH, "Murine mRNA for leukaemia inhibitory factor (LIF)," GenBank, Accession Number X06381 (July 13, 1996).		
	AT	HABECKER, et al., "A sweat gland-derived differentiation activity acts through known cytokine signaling pathways" <i>J. Biol. Chem.</i> 272(48):30421-30428 (November 28, 1997).		
	AU	MCDONALD, "Human CNTF gene for ciliary neurotrophic factor," GenBank, Accession No. X80542 (August 16, 1991).		
	AV	PENNICA, et al., "Mus musculus cardiotrophin-1 mRNA, complete cds," GenBank, Accession No. U18366 (March 15, 1995).		
	AW	PENNICA, et al., "Human cardiotrophin-1 (CTF1) mRNA, complete cds," GenBank, Accession No. U43030 (January 9, 1996).		
	AX	PETERS, et al., "In vivo and in vitro activities of the gp130-stimulating designer cytokine hyper-IL-6," <i>J. Immunol.</i> 161(7):3575-3581 (October 1, 1998).		
	AY	RAKEMANN, et al., "the designer cytokine hyper-interleukin-6 is a potent activator of STAT3-dependent gene transcription in vivo and in vitro," <i>J. Biol. Chem.</i> 274(3):1257-1266 (January 1999).		
	AZ	SAOTOME, et al., "Mus musculus zinc finger protein (Pzf) mRNA, partial cds, and ciliary neurotrophic factor (Cntrf) mRNA, complete cds," GenBank, Accession No. U05342 (November 29, 1995).		
Examiner Signature			Date Considered	

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				Filing Date	02/11/2004
				First Named Inventor	Birgit OPPMANN
				Art Unit	Unknown
				Examiner Name	Unknown
Sheet	3	of	3	Attorney Docket Number	DX0935KC

Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>6</sup>
	BA	SENALDI, et al., "Novel neurotrophin-1/B cell-stimulating factor-3: a cytokine of the IL-6 family," Proc. Natl. Acad. Sci. USA 96(20):11458-11463 (September 28, 1999).	
	BB	SHELTON, "Are there more members of the CNTF-GPA family?," Persp. Devel. Neurobiol., 4(1):101-107 (1996).	
	BC	SHI, et al. "Computational EST database analysis identifies a novel member of the neuropoietic cytokine family," Blochim. Biophys. Res. Commun., 262(1):132-138 (August 19, 1999).	
	BD	STAHL, et al., "Human leukemia inhibitory factor (LIF) gene, complete cds," GenBank Accession No. M63420 (October 31, 1994).	
	BE	TRINCHIERI, "Proinflammatory and immunoregulatory functions of interleukin-12," Intern. Rev. Immunol. 16(3-4):365-396 (1998).	
	BF	WARE, et al., "Targeted disruption of the low-affinity leukemia inhibitory factor receptor gene causes placental, skeletal, neural and metabolic defects and results in perinatal death," Development 121(5):1283-1299 (May 1995).	
	BG	Database DGENE, Last updated 13-JUN-1999, Result from sequence search using SEQ ID NO:2, as the query and citing Accession Numbers: 99P-W94466, 98P-W56141, 98P-W29715, 98P-W56142, 98P-W29716, 97P-W29237, 96P-R88204, 95P-R83965; Derwent Information Ltd., London.	
	BH	Database DGENE, Last updated 13-JUN-1999, Result from sequence search using SEQ ID NO:12, as the query and citing Accession Numbers: 98P-W59805, 98P-W55012, 98P-W55011, 98P-W59804, 98P-W55014, 98P-W55015, 98P-W55016, 92P-R26334, 97P-W17859, 96P-R94576, 92P-R24273, 92P-R22228, 91P-R10795; Derwent Information Ltd., London.	

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